

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A touch screen system, comprising,

a display unit for displaying at least one of a plurality of interfaces;

a touch panel for outputting a signal in correspondence with a touch input on the display unit;

a coordinate value calculation unit for calculating first coordinate values of the touch input based on the signal outputted from the touch panel;

a coordinate value storage unit for storing coordinate value information indicating an active region of an active interface of the plurality of the interfaces;

a decision unit for deciding whether the first coordinate values exist in the active region indicated by the coordinate value information stored in the coordinate value storage unit, in a decision; and

a control unit for interrupting a response to the touch input if the first coordinate values exist outside the active region according to the decision of the decision unit, and

wherein the active region comprises a region having coordinate values of four edges of an active interface of the plurality of the interfaces, and a region having coordinate values of four edges of a status bar.

2. (original): The touch screen system as claimed in claim 1, wherein the coordinate value information stored in the coordinate value storage unit is updated according to a first interface to be activated.

3. (original): The touch screen system as claimed in claim 1, further comprising a mode selection unit for setting an active area, wherein the mode selection unit sets an operation mode of the touch panel to one of a first mode for setting an entire area of the display unit as the active area, a second mode for setting the entire area of the display unit to an inactive area, and a third mode for setting a certain region of the display unit to the active area.

4. (original): The touch screen system as claimed in claim 3, further comprising a mode release key for releasing the second mode and the third mode, wherein, if the operation mode of the touch panel is set to one of the second and third modes and a signal for the mode release key is received, the control unit switches the operation mode of the touch panel to the first mode.

5. (original): A control method for a touch screen system having a display unit for displaying at least one of a plurality of interfaces and a touch panel for outputting a signal corresponding to a touch input on the display unit, comprising steps of:

calculating first coordinate values of a position corresponding to the touch input based on the signal outputted from the touch panel;

deciding whether the first coordinate values exist in an active region of an active interface of the plurality of the interfaces; and

interrupting a response to the touch input if the first coordinate values exist outside the active regions as a result of the decision.

6. (original): The control method as claimed in claim 5, further comprising a step of setting an operation mode of the touch panel to one of a first mode for setting an entire area of the display unit as an active area, a second mode for setting the entire area of the display unit as an inactive area, and a third mode for setting a certain region of the display unit as the active area.

7. (original): The control method as claimed in claim 6, further comprising steps of: receiving a mode release signal for releasing the second mode and the third mode; and operating the touch panel in the first mode if the operation mode is set to one of the second and third modes and the mode release signal is received.

8. (original): The touch screen system as claimed in claim 1, wherein one interface of the plurality of interfaces is one of a box, a window, an icon, and a bar.

9. (original): The touch screen system as claimed in claim 1, wherein the signal is a predetermined sensing signal.

10. (original): The touch screen system as claimed in claim 1, wherein the first coordinate values indicate a position of the touch input.

11. (original): The touch screen system as claimed in claim 3, wherein the third mode is for setting only the certain region of the display unit to the active area, wherein the certain region is less than the entire area of the display.

12. (original): The control method as claimed in claim 5, wherein the one interface of the plurality of interfaces is one of a box, a window, an icon, and a bar.

13. (original): The control method as claimed in claim 5, wherein the signal is a predetermined sensing signal.

14. (original): The control method as claimed in claim 5, wherein the first coordinate values indicate a position of the touch input.

15. (original): The control method as claimed in claim 5, wherein the interrupting the response comprises ignoring the touch input.

16. (original): The control method as claimed in claim 6, wherein the third mode is for setting only the certain region of the display unit to the active area, wherein the certain region is less than the entire area of the display.

17. (currently amended): ~~The touch screen system as claimed in claim 1, further comprising~~ A touch screen system, comprising,

a display unit for displaying at least one of a plurality of interfaces;

a touch panel for outputting a signal in correspondence with a touch input on the display unit;

a coordinate value calculation unit for calculating first coordinate values of the touch input based on the signal outputted from the touch panel;

a coordinate value storage unit for storing coordinate value information indicating an active region of an active interface of the plurality of the interfaces;

a decision unit for deciding whether the first coordinate values exist in the active region indicated by the coordinate value information stored in the coordinate value storage unit, in a decision;

a control unit for interrupting a response to the touch input if the first coordinate values exist outside the active region according to the decision of the decision unit; and

a mode selection unit for setting an active area to one of a plurality of modes,

wherein the plurality of modes includes at least two of a first mode, a second mode and a third mode,

the first mode sets an entire area of the display unit as the active area,

the second mode sets the entire area of the display unit to an inactive area and

the third mode sets a certain region of the display unit to the active area.

18. (canceled).

19. (currently amended): ~~The touch screen system as claimed in claim 18, wherein A~~
touch screen system, comprising,

a display unit for displaying at least one of a plurality of interfaces;

a touch panel for outputting a signal in correspondence with a touch input on the display unit;

a coordinate value calculation unit for calculating first coordinate values of the touch input based on the signal outputted from the touch panel;

a coordinate value storage unit for storing coordinate value information indicating an active region of an active interface of the plurality of the interfaces;

a decision unit for deciding whether the first coordinate values exist in the active region indicated by the coordinate value information stored in the coordinate value storage unit, in a decision; and

a control unit for interrupting a response to the touch input if the first coordinate values exist outside the active region according to the decision of the decision unit,

wherein the plurality of interfaces comprises a plurality of windows and the plurality of windows includes a window having a highest priority and the window having the highest priority includes the active region.

20. (currently amended): ~~The touch screen system as claimed in claim 18, wherein A~~
touch screen system, comprising,

a display unit for displaying at least one of a plurality of interfaces;

a touch panel for outputting a signal in correspondence with a touch input on the display unit;

a coordinate value calculation unit for calculating first coordinate values of the touch input based on the signal outputted from the touch panel;

a coordinate value storage unit for storing coordinate value information indicating an active region of an active interface of the plurality of the interfaces;

a decision unit for deciding whether the first coordinate values exist in the active region indicated by the coordinate value information stored in the coordinate value storage unit, in a decision; and

a control unit for interrupting a response to the touch input if the first coordinate values exist outside the active region according to the decision of the decision unit,

wherein the plurality of interfaces comprises a plurality of windows and the plurality of windows includes a window in focus and the window in focus includes the active region.

21. (currently amended): ~~The control method as claimed in claim 5A~~ a control method for a touch screen system having a display unit for displaying at least one of a plurality of interfaces and a touch panel for outputting a signal corresponding to a touch input on the display unit, comprising steps of:

calculating first coordinate values of a position corresponding to the touch input based on the signal outputted from the touch panel;

deciding whether the first coordinate values exist in an active region of an active interface of the plurality of the interfaces;

interrupting a response to the touch input if the first coordinate values exist outside the active regions as a result of the decision, ~~further comprising a step of,~~ and

setting an operation mode of the touch panel to one a plurality of modes, wherein the plurality of modes includes at least two of a first mode, a second mode and a third mode,

the first mode sets an entire area of the display unit as the active area,

the second mode sets the entire area of the display unit to an inactive area and

the third mode sets a certain region of the display unit to the active area.

22. (previously presented): The control method as claimed in claim 5, wherein the plurality of interfaces comprises a plurality of windows.

23. (currently amended): ~~The control method as claimed in claim 22~~A control method for a touch screen system having a display unit for displaying at least one of a plurality of interfaces and a touch panel for outputting a signal corresponding to a touch input on the display unit, comprising steps of:

calculating first coordinate values of a position corresponding to the touch input based on the signal outputted from the touch panel;

deciding whether the first coordinate values exist in an active region of an active interface of the plurality of the interfaces; and

interrupting a response to the touch input if the first coordinate values exist outside the active regions as a result of the decision,

wherein the plurality of interfaces comprises a plurality of windows, wherein ~~and the~~ plurality of windows includes a window having a highest priority and the window having the highest priority includes the active region.

24. (currently amended): ~~The control method as claimed in claim 22, wherein~~ A control method for a touch screen system having a display unit for displaying at least one of a plurality of interfaces and a touch panel for outputting a signal corresponding to a touch input on the display unit, comprising steps of:

calculating first coordinate values of a position corresponding to the touch input based on the signal outputted from the touch panel;

deciding whether the first coordinate values exist in an active region of an active interface of the plurality of the interfaces; and

interrupting a response to the touch input if the first coordinate values exist outside the active regions as a result of the decision,

wherein the plurality of interfaces comprises a plurality of windows and the plurality of windows includes a window in focus and the window in focus includes the active region.